

What is claimed is:

1. An information analysis apparatus for a golfer's play, comprising:
 - a system program memory unit for storing a system program therein, which drives a main processing unit;
 - an input data storage unit for storing inputted data therein;
 - an input unit for inputting information on play to the input data storage unit;
 - the main processing unit having a microprocessor, for processing the data stored in the input data storage unit and the system program stored in the system program memory unit by using the power supply supplied from the power supply unit;
 - a display unit for displaying the data processed in the main processing unit;
 - a speaker unit for outputting audio signals;
 - a communications unit for allowing for the exchange of data with an external device;and
 - a power supply unit for supplying power supply that drives the respective units.
2. The information analysis apparatus as claimed in claim 1, wherein the power supply unit comprises a battery unit having at least one of a primary cell and a secondary cell.
3. The information analysis apparatus as claimed in claim 1, wherein the input unit comprises:
 - a key input unit having buttons, for directly receiving data and storing the received data in the storage unit;

a sensor input unit having a sensor, for sensing information on holes, a driving distance, a position of a ball, and temperature, and storing the sensed information in the storage unit;

a video signal input unit having a camera lens mounted in, for receiving a golfer's actions as motion picture signals and then storing the received signals in the storage unit;

a card input unit having a card, for reading inputted information and then storing the read information in the storage unit; and

an audio signal input unit for recognizing audio signals and then storing the received signals in the storage unit.

4. The information analysis apparatus as claimed in claim 3, wherein the key input unit comprises a direction key for moving a cursor in top, bottom, right and left directions, and functional keys of setting, cancellation, and completion.

5. The information analysis apparatus as claimed in claim 3, wherein the sensor input unit comprises a probe sensor for sensing a special material, wherein the probe sensor uses signals sent from a ball made of the special material to locate the position of the ball, and then stores the located position of the ball in the storage unit.

6. The information analysis apparatus as claimed in claim 1, wherein the display unit comprises a touch screen for receiving new data.

7. The information analysis apparatus as claimed in claim 1, wherein the communication unit comprises at least one of a USB port and an IrDA infrared port, an IEEE1394 connector, and GPS communications rules, for the exchange of data with the external device.

8. An information analysis method for a golfer's play, comprising the steps of:

- (a) displaying an initial screen;
- (b) inputting a golfer's personal information;
- (c) selecting or inputting a golf course;
- (d) inputting environmental information on the golf course for play;
- (e) displaying information on a hole;
- (f) if data on shots are inputted, displaying an input window for inputting data on the remaining distance and a next shot based on the information on the hole;
- (g) if a ball is safely landed on a green, automatically changing the existing window to a putt window;
- (h) displaying an input window for inputting data on putt shots until the ball enters a hole cup;
- (i) if the ball enters the hole cup, displaying that the hole is finished;
- (j) analyzing results of the shots in the finished hole and then providing analyzed results to the golfer;
- (k) if play for all holes is finished, providing the golfer with a general analysis screen;

and

(l) providing information helpful to the golfer's play in the step of inputting information on the shots and the step of inputting information on the putt, based on the general analysis screen.

9. The information analysis method as claimed in claim 8, wherein step (a) includes providing information on time, temperature, and direction of wind.

10. The information analysis method as claimed in claim 8, wherein steps (b) to (d) include:

receiving data on a play date, a golfer's handicap, a tee-off time, temperature, weather, direction and velocity of wind, a course name, type of a tee, shape of a green, position of a pin, and a hole via an input window displayed on a display unit through an input key or a touch screen of the window;

receiving the data from an external device via a communication unit; and

receiving the data through a card input unit.

11. The information analysis method as claimed in claim 8, wherein step (f) includes displaying, on a display unit, the input window for inputting data on the type of a club used in each shot, a driving distance by each club, a ball flight, a direction of a ball (center, right, left), a place where the ball is dropped (fairway, rough, bunker, hazard), whether the ball is out of bounds, direction and velocity of wind, and surface status of land (upward slope, downward slope, flatland) under the control of a system program that operates an information analysis

apparatus, and inputting data desired by the display unit through an input key, a touch screen or audio.

12. The information analysis method as claimed in claim 8, wherein step (h) includes inputting information on a distance measured by strides and a direction

13. The information analysis method as claimed in claim 8, wherein step (h) includes displaying, on a display unit, the input window for inputting information on lie conditions for each putt, a distance and direction, until the putt is successful under a system program that operates an information analysis apparatus, and inputting data desired by the display unit through an input key, a touch screen or voice.

14. The information analysis method as claimed in claim 8, wherein step (l) includes informing the golfer of suitable clubs, a shot direction, and a distance through characters and voice, when information on the shots are input.